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ystral presents innovative powder induction and dispersing technology at the American Coatings Show

Process engineering specialist ystral will be presenting its high-shear vacuum expansion solutions for the paint and coatings industry at ACS 2026. The premier event for professionals across the paints and coatings value chain will take place from May 5-7, 2026, at the Indiana Convention Center in Indianapolis, Indiana.

ystral designs, engineers and manufactures mixing, dispersing and powder induction machines as well as process systems that are used worldwide in the paint and coatings industries. At the American Coatings Show (booth #2568), the company will present its innovative high-shear vacuum expansion technology for powder dispersion. "This technology delivers excellent dispersion quality while offering proven reductions in production time, costs, raw material usage, energy consumption, labor, and floor space," says Dr. Hans-Joachim Jacob, Senior Expert Process and Applications at ystral. "In the production of colorants and tinting pastes, the need for subsequent bead milling can be eliminated or significantly reduced. Moreover, the system provides maximum flexibility and adaptability across batch sizes, product types, and formulations."

Presentation at the American Coatings Conference

On May 7 at 11:00 a.m. ET, Hans-Joachim Jacob will present at the American Coatings Conference on "Vacuum Expansion as a Booster for Inline Dispersion Performance". He will explain ystral's innovative high-shear vacuum expansion technology in detail and show how it enables significantly finer dispersions and substantial quality improvements. "Compared with traditional high-speed dissolvers and bead mills, ystral's Conti-TDS technology is based on a fundamentally different principle for dispersing powder particles such as pigments, fillers, extenders, and thickeners. Vacuum expansion separates and singularizes the particles as the powders are drawn into the liquid at an increasing velocity directly before they enter the high-shear inline dispersion zone", says Jacob. "We look forward to connecting with process engineers and production managers at ACS to discuss practical ways our technologies can support their processes."

Further information

For more information about ystral's presence at the American Coatings Show + Conference, visit: <https://ystral.com/en/acs-2026/>. In its new 40-page white paper, "The Future of Powder

Dispersion – Process solutions for the world of tomorrow", ystral explains the challenges and innovative methods involved in powder processing. The white paper can be downloaded at <https://ystral.com/en/knowhow/knowledge-portal/whitepaper/the-future-of-powder-dispersion/>.

Press photos:

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[Caption]

Conti-TDS system for the production of pigment pastes, especially those based on iron oxide pigments.

(image credit: ystral)

ystral_acs_2.png



[Caption]

YSTRAL Conti-TDS with high-shear vacuum expansion technology for dust-free inducting and dispersing of powders in liquids.

(image credit: ystral)

Press Release



About ystral

The ystral Group is an owner-managed family business operating in the field of mechanical and plant engineering and employing a total of just under 300 staff. The company – based in Ballrechten-Dottingen near Freiburg in Germany – plans, designs and manufactures highly efficient mixing, dispersing and powder induction machines as well as process systems. ystral technologies are used worldwide in the chemical, pharmaceutical, coatings and paints, foodstuffs, home and personal care as well as battery production industries.

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